

**ABSTRACT**

Systems and methods for enhanced color-flow imaging of contrast-agent perfused blood vessels and other tissues within a patient's body are disclosed. The method generally comprises, introducing one or more contrast agents into the body, 5 power-modulating transmit pulses into the body, receiving echoes from the body, processing the received echoes to reduce tissue-generated echoes and echoes from stationary contrast agent, using a color-flow processor to generate a color-encoded display responsive to contrast-agent motion. The method may be implemented by a system with a an excitation-signal source, a transducer, an ultrasound-processing 10 system having multiple image processors including a color-flow processor, as well as, a clutter filter, and an arbiter, and a display-processing system.